

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2004/001851

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 H04B 7/26**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KOREAN PATENTS AND APPLICATIONS FOR INVENTIONS SINCE 1975  
KOREAN UTILITY MODELS AND APPLICATIONS FOR UTILITY MODELS SINCE 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
KIPONET, DELPHION & Keywords : mobile, beacon, pilot, position and similar terms

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages       | Relevant to claim No. |
|-----------|--|-----------------------|
| X         | JP 07-274240 A ( UERU CAT CO. ) 20 October 1995<br>* abstract *                          | 1 - 13                |
| X         | WO 00/38460 A1 ( KONINKL PHILIPS ELECTRONICS NV ) 29 June 2000<br>* the whole document * | 1 - 13                |
| A         | WO 98/45728 A1 ( DEKKER DAVID ET AL ) 15 October 1998<br>* the whole document *          | 1 - 13                |
| A         | US 5642303 A ( APPLE COMPUTER, INC. ) 24 June 1997<br>* the whole document *             | 1 - 13                |

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search  
22 OCTOBER 2004 (22.10.2004)

Date of mailing of the international search report

**25 OCTOBER 2004 (25.10.2004)**

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2004/001851

| Patent document cited in search report | Publication date | Patent family member(s) |             |    | Publication date |
|--|------------------|-------------------------|-------------|----|------------------|
| JP 07-274240 A                         | 20-10-1995       | NONE                    |             |    |                  |
| WO 00/38460 A1                         | 29-06-2000       | CN                      | 1297665     | T  | 30-05-2001       |
|  |                  | EP                      | 1057360     | A1 | 06-12-2000       |
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| WO 98/45728 A1                         | 15-10-1998       | AU                      | 753168      | B2 | 10-10-2002       |
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